Summary

- Dipole tilt and external pressure dominate boundary configuration.
- IMF effects are minor but discernable with tilt/pressure correction.
- SM coordinates best order the angular position of cusp samples.
- GSM coordinates best order in radial distance and for external flow.
- Cusp indentation becomes enlarged as dipole tilts more towards oncoming sheath flow; as dipole tilts away from sun direction, indentation goes away and outer boundary takes on same shape as observed at low latitude.
- Quantitative magnetopause model accounting for tilt/pressure/Bz.
- Online high-latitude boundary data base (http://nssdc.gsfc.nasa.gov/space/)

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